

Title (en)
Deflection controlled roll

Title (de)
Durchbiegungseinstellwalze

Title (fr)
Rouleau à réglage de la flexion

Publication
EP 1279767 B1 20080625 (DE)

Application
EP 02010353 A 20020507

Priority
DE 10136271 A 20010725

Abstract (en)
[origin: EP1279767A2] The adjustable bending roller (10), with a rotating roller mantle (12) around a keyed axial yoke (14), has a number of hydrostatic supports (16) at the yoke in succession along the roller axis. The supports have a hydraulic piston/cylinder unit, to give support against the inner surface of the roller mantle. The hydrostatic pockets (22) are supplied with a compressed fluid through at least one throttle or capillary (24). The fluid flow fed to the pockets, under pressure, is dependent on the piston pressure in each support unit.

IPC 8 full level
D21G 1/02 (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP US)
D21G 1/022 (2013.01 - EP US); **F16C 13/028** (2013.01 - EP US); **F16C 32/0622** (2013.01 - EP US); **F16C 32/0666** (2013.01 - EP US); **Y10T 29/49544** (2015.01 - EP US)

Cited by
EP2248945A1; ITVI20100128A1; DE102009002627A1

Designated contracting state (EPC)
DE FI SE

DOCDB simple family (publication)
EP 1279767 A2 20030129; EP 1279767 A3 20031112; EP 1279767 B1 20080625; DE 10136271 A1 20030213; DE 50212401 D1 20080807; US 2003022774 A1 20030130; US 7037249 B2 20060502

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EP 02010353 A 20020507; DE 10136271 A 20010725; DE 50212401 T 20020507; US 20049402 A 20020723